

ABSTRACT OF THE DISCLOSURE

In a disk replicating assembly, a blank disk is attached to one platen and a stamper is attached to the other platen. Pressure is applied so that the two platens are forced together, thereby transferring features from the stamper to the disk. A ball joint is located between a platen and the pressure train of the replicating assembly. Due to the ball joint at this location, the resulting pressure gradient when the stamper and disk are pressed together causes the one platen to swivel such that it orients itself substantially parallel to the other platen. Because the resistance of the ball joint is selected so that the one platen is able to pivot before the stamper significantly affects the disk, the fine features of the stamper are not transferred to the disk until the platens are in parallel alignment.

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